

What is claimed is:

Sub P1  
1. A composite fire stop article comprising:

- 5 (a) an interior insulating material; and
- (b) an intumescent material arranged around at least a portion of said interior material, said intumescent material consisting essentially of filler material, binder material, and a hydrated alkali metal silicate
- 10 intumescent component;

whereby at least one fire stop article can be used to fire stop an opening in a partition, said opening having an area of greater than 300 square inches and having a concrete substrate for adhesion, said fire stop being capable of passing a hose

15 stream test in accordance with ASTM Test E814.

2. A fire stop article as defined in claim 1, wherein the intumescent material further includes organic char-forming components.

20 3. A fire stop article as defined in claim 2, wherein said interior insulating material comprises inorganic fibrous material.

4. A fire stop article as defined in claim 3, wherein said inorganic fibrous material comprises at least one of fiberglass, mineral wool, refractory ceramic materials, and

25 mixtures thereof.

5. A fire stop article as defined in claim 3, wherein said inorganic fibrous material comprises mineral wool having a density of at least 4 pounds per cubic foot.

6. A fire stop article as defined in claim 1, wherein said interior insulating material has opposed first and second opposed major surfaces, and further wherein sheets of intumescent material are arranged adjacent each of said first and second surfaces.

5 7. A fire stop article as defined in claim 1, wherein each of said intumescent sheets is adhesively bonded with said insulating material first and second major surfaces.

8. A fire stop article as defined in claim 1, wherein each of said intumescent sheets bond to said insulating material upon exposure to a temperature of 1200 °F.

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9. A fire stop article as defined in claim 1, further comprising an enclosure arranged around said intumescent material.

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10. A fire stop article as defined in claim 9, wherein said enclosure is a polyethylene bag.

11. A composite fire stop article comprising:

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(a) an interior insulating material; and

(b) an intumescent material arranged around at least a portion of said interior material, said intumescent material comprising filler material, binder material, and an intumescent agent substantially free of graphite.

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12. A composite fire stop article as defined in claim 11, wherein said intumescent agent contains less than 10% by weight of graphite.

13. A composite fire stop device, comprising:

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(a) a first outer layer of intumescent material;

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